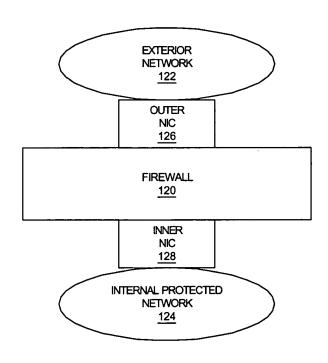
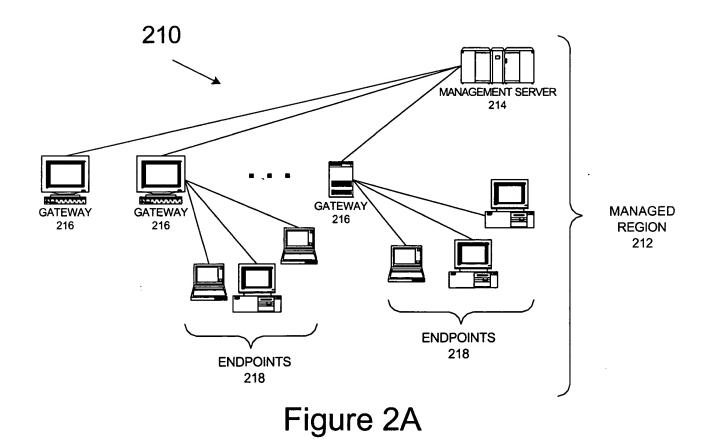
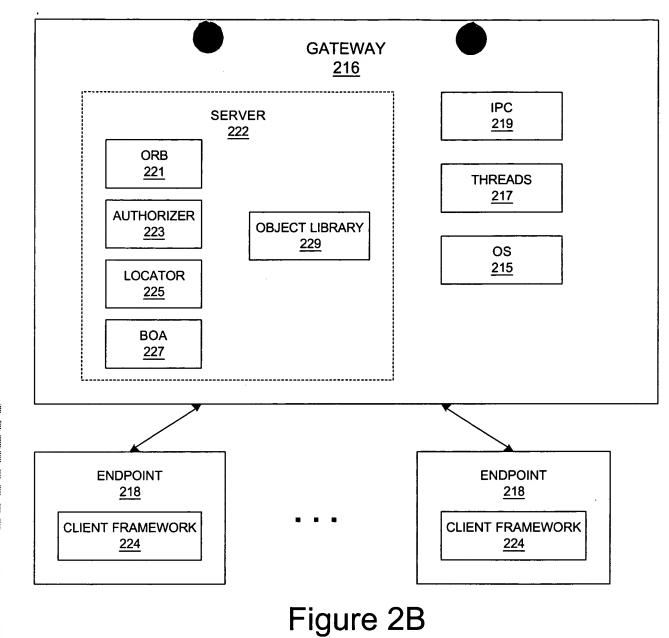


Prior Art
Figure 1A



Prior Art
Figure 1B



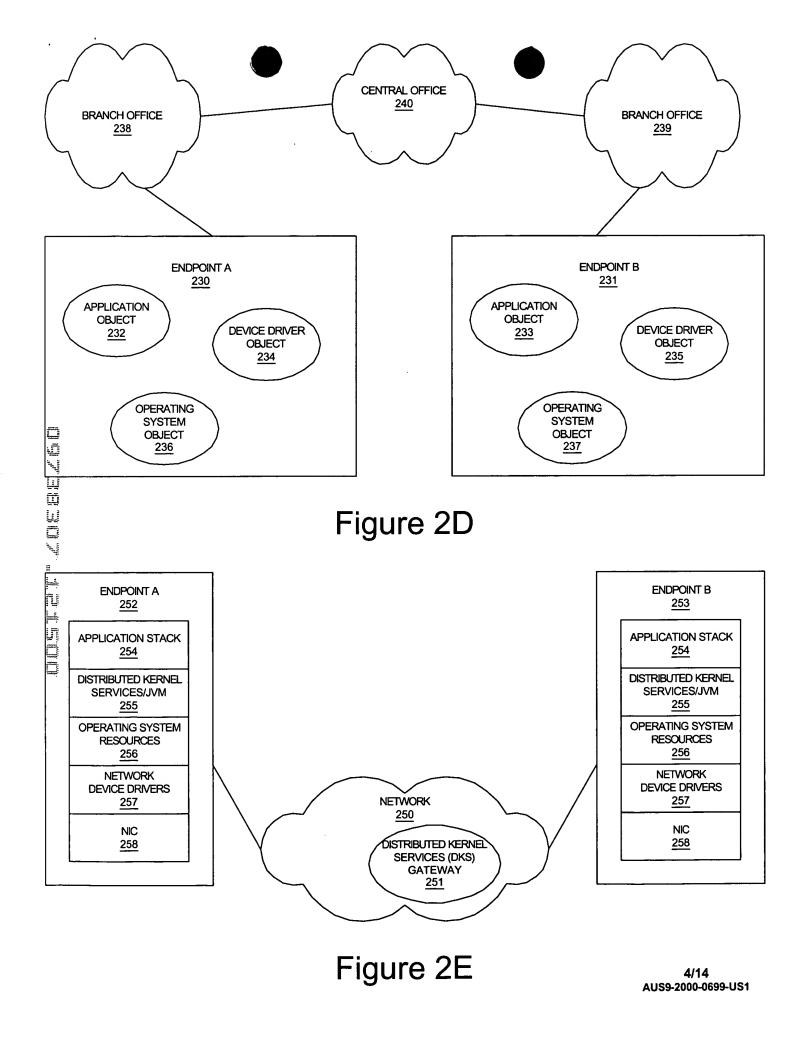


CLIENT FRAMEWORK
224

DAEMON
226

RUNTIME LIBRARY
228

Figure 2C



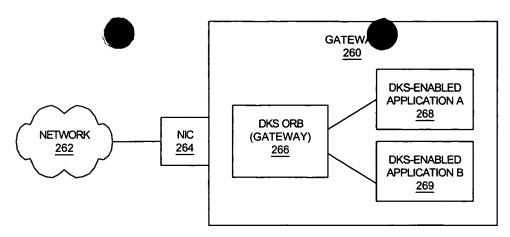


Figure 2F

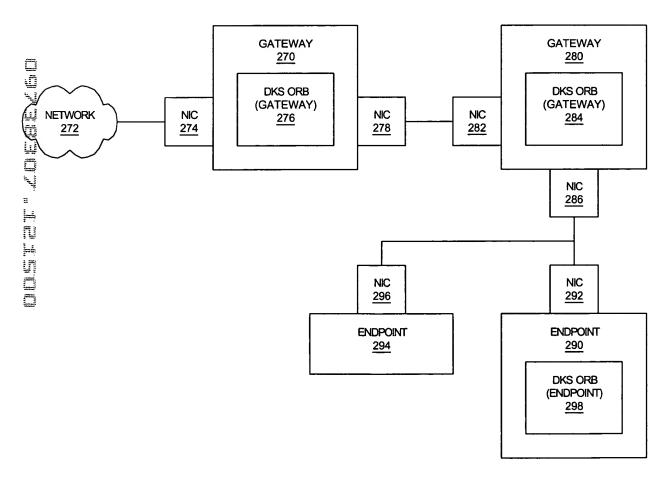


Figure 2G

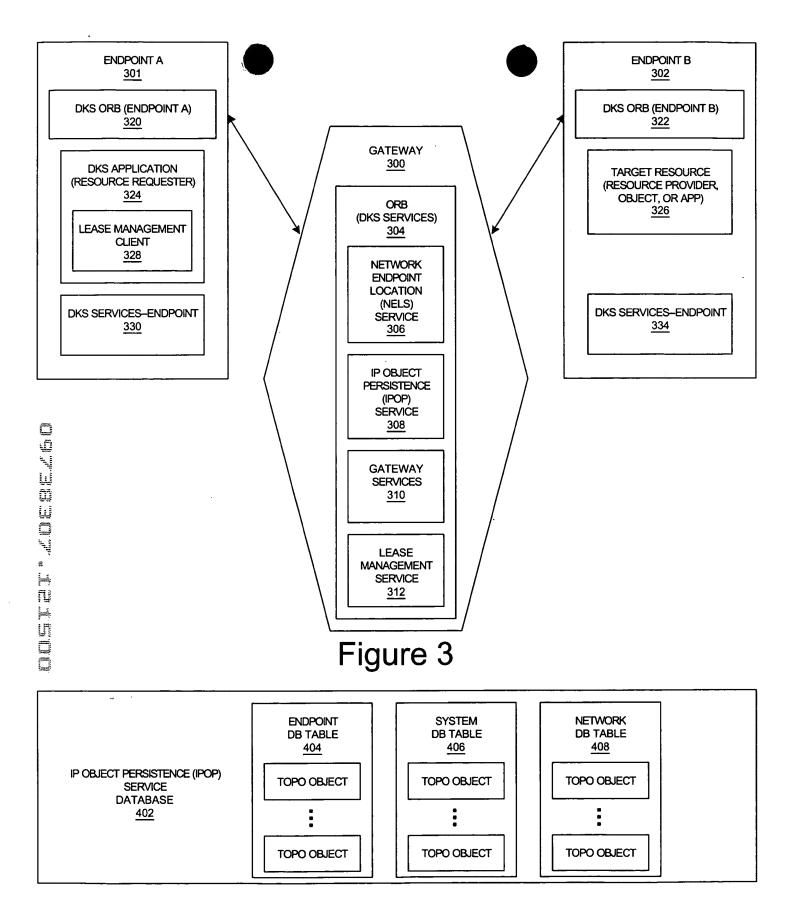
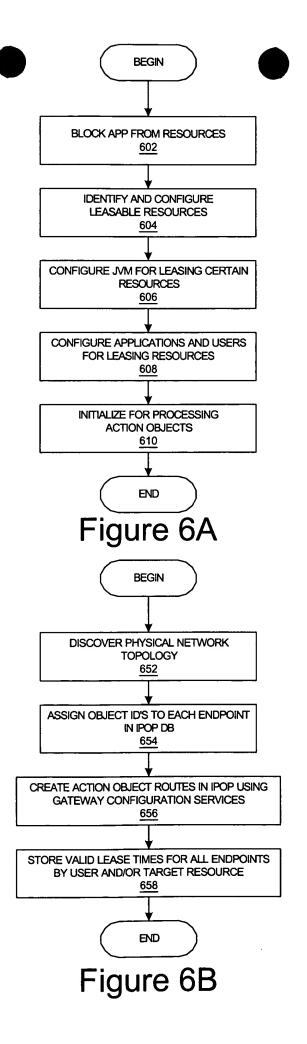


Figure 4

Figure 5



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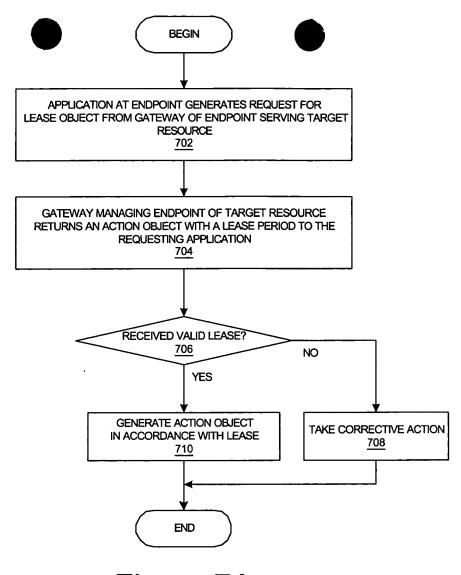


Figure 7A

```
CLASS ACTION_OBJECT {

// CONSTRUCTOR
ACTION_OBJECT( LONG IPADDRESS, SHORT VIRTUALPRIVATENETWORKADDRESS )
THROWS BADADDRESS ...

.
.
.
.
.
.
VOID PERFORMACTION() // EXECUTES ACTION METHOD
.
```

Figure 7B

```
CLASS LEASE_ACTION_QCT EXTENDS ACTION_OBJECT {
      // CONSTRUCTOR
      LEASE_ACTION_OBJECT( LONG IPADDRESS, SHORT VIRTUALPRIVATENETWORKADDRESS,
                        INT LEASETIME)
                        BADADDRESS, LEASETIMENOTACCEPTABLE_EXCEPTION,
            THROWS
                        LEASEBANDWIDTHMUSTBEREDUCED_EXCEPTION,
                        LEASETERMINATED_EXCEPTION, ...
      PUBLIC INT LEASETIME:
                              // STORE LEASE TIME
      STATIC FINAL INFINITELEASETIME = -1;
      STATIC FINAL ZEROLEASETIME = 0;
                              Figure 7C
CLASS LEASETIMENOTACCEPTABLE_EXCEPTION EXTENDS EXCEPTION {
CLASS LEASEBANDWIDTHMUSTBEREDUCED_EXCEPTION EXTENDS EXCEPTION {
}
CLASS LEASETERMINATED_EXCEPTION EXTENDS EXCEPTION {
}
                              Figure 7D
XYZ_APPLICATION_METHOD {
      LEASE_ACTION_OBJECT
                              MYLEASEDACTIONOBJECT = NULL;
      MYLEASEDACTIONOBJECT = NEW LEASEDACTIONOBJECT( . . . );
      MYLEASEDACTIONOBJECT.PERFORMACTION(...);
```

Figure 7E

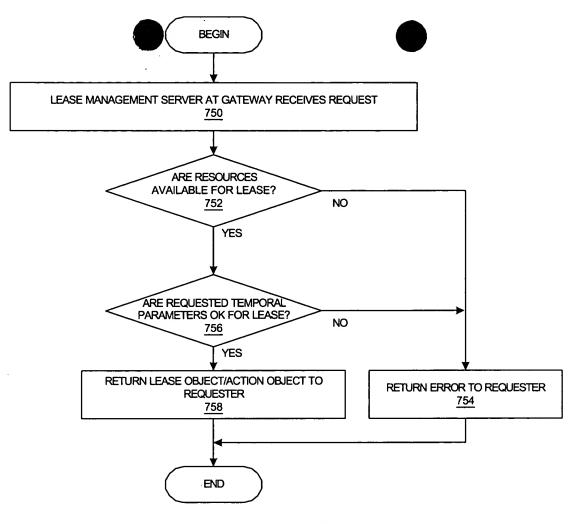
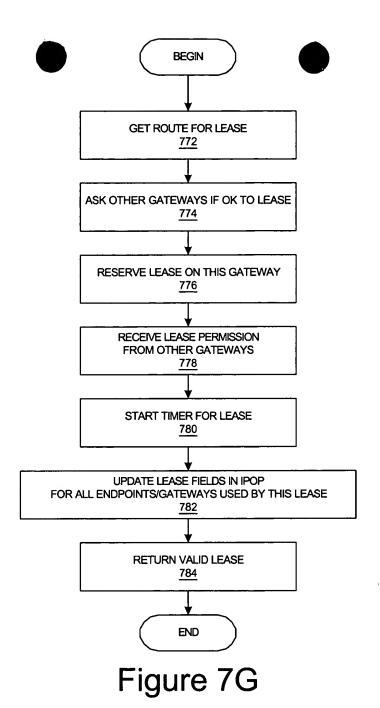


Figure 7F



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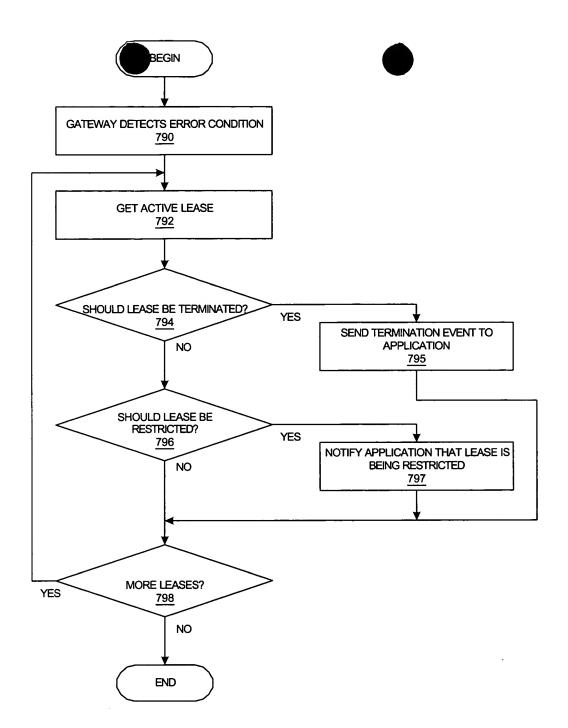


Figure 7H

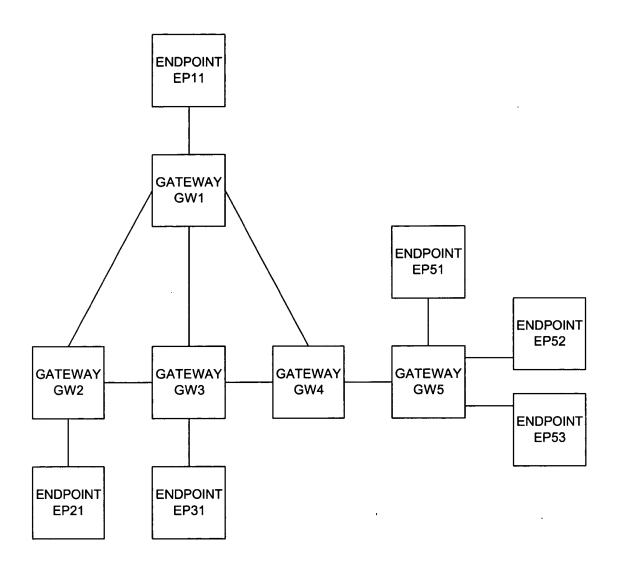


Figure 8